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10/627,942	07/25/2003	Frederick J. Kiko	EXCEL.007A	3680	
75	90 01/23/2006		EXAMINER		
GAZDZINSKI & ASSOCIATES			DINH, TUAN T		
Suite 375 11440 West Ber	mardo Court		ART UNIT	PAPER NUMBER	
San Diego, CA 92127			2841	2841	
			DATE MAILED: 01/23/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

## Diffice Action Summary Total T. Dish Continue				H :				
### Examiner Tuan T. Dinh 2841 **The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. **AN SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. **IN Depriod for reply is specified above, the maximum statutory period wile pay of will logic size (1) MONTHS from the mailing date of this communication. **IN Depriod reply is specified above, the maximum statutory period wile pay of will logic size (1) MONTHS from the mailing date of this communication. **IN Depriod reply is specified above, the mailing state of this communication, while the application to become ABANCHORD (35 U.S.C. § 130) accordance with the practice of the communication, easier the application, while the properties of the communication of the communication will be applicated to mailing date of this communication, easier the application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quay/e, 1935 C.D. 11, 453 O.G. 213. **Disposition of Claims**	1	Application No.	Applicant(s)					
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WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Editations of time may be validable under the provisions of 37 CFR 1.13(e). In ne event, however, may a cepty be timely filled after SX (6) MONTH'S from the nating date of this communication. Falline to reply within the set or reached period for reply will, by statists, cause the application to become ABANDONED (38 U.S.C. § 133). Any reply resched by the Office later than three months after the mailing date of this communication. Falline to reply within the set or reached period for reply will, by statists, cause the application to become ABANDONED (38 U.S.C. § 133). Any reply resched by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any seamed plants that may disjustment. Set 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 02 November 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-28 and 31-34 is/are pending in the application. 4) Claim(s) 1-28 and 31-34 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-28.31-34 are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) Application Papers 10 Application Papers 11 Application Papers 12 Application Pape	The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address					
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DETAILED ACTION

Applicant's election without traverse of Group I (claims 1-28, and 31) in the reply filed on 11/02/05 is acknowledged.

Claims 29-30 are canceled.

Because the invention are still distinct from other, and the examiner would require another Restriction requirement as the following reasons as below:

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-6, 14-28, and 31-34, drawn to an electronic assembly, a structure, a backplane assembly, a high density electronics assembly housing structure, a user configurable electronics assembly, a cost efficient, user-configurable electronics assembly, and a backplane element, classified in class 361, subclass 788.
 - II. Claims 7-13, drawn to an electronic insert element, classified in class 361, subclass 730+.
 - **If applicant elects Group I**, then the sub-Groups would be defined following below:
 - Claims 1-6, 15-20, drawn to an electronics assembly, classified in class 361, subclass 788.
 - Claims 21-22, drawn to an electronics element adapted for use in a plurality of different housing configuration, classified in class 312, subclass 223.1.

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3. Claim 14, drawn to a structure, classified in class 361, subclass 752.

- 4. Claims 23-28, drawn to a high density electronics assembly housing structure, classified in class 361, subclass 801.
- 5. Claims 33-34, drawn to a backplane element, classified in class 361, subclass 798.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions II and I are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions of the Invention II has utility such as a module or package and can be applied in any electronic components, and the Invention I has utility such as a communication network, and does not require a structure as claimed in the Invention II.
- 3. Inventions 3 and I-2, and 4-5 are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions of the Invention 2 having utility such as circuit card or IC card, and the Inventions 1-2, and 4-5 having utility such as communication network.
- 4. Inventions 2 and 1, 4-5 are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention 2 has separate

utility such as a computer or any portable devices, and the Inventions 1, and 4-5 have utility such as communication network. See MPEP § 806.05(d).

- 5. Inventions 4 and 1, 5 are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination does not require specific ports or connector as claimed in the Inventions 1 and 5. The subcombination has separate utility such as in a computer.
- 6. Inventions 5 and 1 are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention 1 has separate utility such as an electronics assembly for use in a computer and does not require a structure of "said first connector comprising a make-before break electrical function as claimed in the Invention 5. See MPEP § 806.05(d).
- 7. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 8. Because these inventions are distinct for the reasons given above and the search required for Group II is not required for Group I, restriction for examination purposes as indicated is proper.

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- 9. Because these inventions are distinct for the reasons given above and the search required for Group 5 is not required for Groups 1-4, restriction for examination purposes as indicated is proper.
- 10. Because these inventions are distinct for the reasons given above and the search required for Group 4 is not required for Groups 1-3, restriction for examination purposes as indicated is proper.
- 11. Because these inventions are distinct for the reasons given above and the search required for Group 3 is not required for Groups 1-2, restriction for examination purposes as indicated is proper.
- 12. Because these inventions are distinct for the reasons given above and the search required for Group 2 is not required for Group 1, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan Dinh

January 09, 2005.